



Please amend the claims as follows (this listing replaces all prior listings):

1. (currently amended) A system comprising:
a first network agent;
a second network agent ~~connected to the first agent to receive and transmit events and~~
~~data;~~
a processing agent to receive data, process a protocol in connection with the data, and
transmit the data to the second network agent, the processing agent being connected to the first
agent, in which the processing agent being configured to send also sends one or more events to
the first network agent upon a change in the data being transmitted.
2. (currently amended) The system of claim 1 wherein the first network agent is ~~configured~~
to monitor the data being transmitted to and received from the processing agent.
3. (original) The system of claim 1 further comprising an event system coupled to the
processing agent to store the events in the event system.
4. (currently amended) The system of claim 1 wherein the first network agent includes an
algorithm for flow control for the connections.
5. (original) The system of claim 1 wherein the processing agent comprises a Secure
Sockets Layer (SSL) system.
6. (original) The system of claim 1 wherein the processing agent comprises a Server Load
Balancing (SLB) system.
7. (original) The system of claim 1 wherein the processing agent comprises an Extended
Markup Language (XML) system.

8. (original) The system of claim 1 wherein the events include at least one of an event type identification, a Transmission Control protocol (TCP) pointer, a controller handle, a controller length, and a controller prefetch.
9. (currently amended) The system of claim 1 wherein the data stored in the first network agent includes a header and a data portion.
10. (currently amended) The system of ~~claim 1~~ claim 3 wherein the event system includes an event queue writer for writing the events into an event queue and ~~event queue reader for the processing agent~~.
11. (currently amended) A method comprising:
transporting data between the first network agent and a second network agent through a processing agent, and
transporting one or more events from a the processing agent to the first network agent upon a change in the data being transported.
12. (currently amended) The method of claim 11 wherein the first network agent monitors data being transmitted to and received from the processing agent.
13. (currently amended) The method of claim 11 further comprising performing flow control of the data sent from the first network agent to the second network agent.
14. (original) The method of claim 13 further comprising storing the events in an event system coupled to the processing agent.

15. (currently amended) The method of claim 11 wherein the first network agent uses an algorithm for flow control for transporting data from the first network agent through the processing agent to the second network agent.

16. (original) The method of claim 11 wherein the processing agent comprises a Secure Sockets Layer (SSL) System.

17. (original) The method of claim 11 wherein the processing agent comprises a Server Load Balancing (SLB) system.

18. (original) The method of claim 11 wherein the processing agent comprises an Extended Markup Language (XML) system.

19. (original) The method of claim 11 wherein the events include at least one of an event type identification, a Transmission Control protocol (TCP) pointer, a controller handle, a controller length, and a controller prefetch.

20. (currently amended) The method of claim 11 wherein the data ~~stored in the first agent~~ includes a header and a data portion.

21. (currently amended) The method of ~~claim 11~~ claim 14 wherein the event system includes an event queue writer to write the events into an event queue and ~~event queue reader for the processing agent~~.

22. (currently amended) A machine-readable storage medium bearing machine-readable program code capable of causing a machine to:
store data in a first network agent;

~~transmit the data from~~ connect the first network agent to a second network agent through
a processing agent to receive and transmit events;

use the processing agent to process a protocol in connection with the data~~by connecting a~~
~~processing agent to the first agent;~~ and

~~wherein the connections transport data between the first agent and the second agent and~~
~~the processing agent transports~~ transport one or more events from the processing agent to the
first agent upon a change in the data being transmitted.

23. (original) The system of claim 22 wherein the machine-readable program code further includes instructions to monitor the data being transmitted to and received from the processing agent.

24. (currently amended) The system of claim 22 wherein the processing agent iscomprises a Secure Sockets Layer (SSL) system.

25. (currently amended) The system of claim 22 wherein the processing agent iscomprises a Server Load Balancing (SLB) system.

26. (currently amended) The system of claim 22 wherein the processing agent iscomprises an Extended Markup Language (XML) system.

27. (original) The system of claim 22 wherein the events include at least one of an event type identification, a Transmission Control protocol (TCP) pointer, a controller handle, a controller length, and a controller prefetch.

28. (currently amended) The system of claim 22 wherein the data stored in the first network agent includes a header and a data portion.

29. (currently amended) The system of claim 22 wherein the machine-readable program code further includes instructions to write the events in the event system includes an event queue ~~writer and event queue reader for the processing agent.~~

30. (currently amended) A Transmission Control Protocol (TCP) processing system comprising:

~~a buffer to store data;~~

~~a first network agent coupled to the buffer to receive and transmit events~~ to receive data packets from a server; and

~~an event system coupled to the first agent to store the events in at least two event queues;~~

~~a first processing agent to receive data packets, process a protocol in connection with the data packets, and transmit the data packets to a second network agent that is connected to a client; the first processing agent to transmit one or more events to the first network agent, the one or more events including information about a processing of the data packets; the first processing agent having a first and a second connection with the first agent, wherein the first connection transports the data between the first agent and the first processing agent and the second connection transports the events between the first processing agent and the first agent; and~~
wherein the first network agent controls transmission of data to the first processing agent at least in part based on the one or more events sent from the first processing agent. is configured to monitor the data being transmitted to and received from the processing agent via the first and second connections.

31. (original) The TCP processing system of claim 30 further comprising a second processing agent.

32. (original) The TCP processing system of claim 30 wherein the processing agent is selected from a group comprising a Secure Sockets Layer (SSL) system, a Server Load Balancing (SLB) system, and an Extended Markup Language (XML) system.

33. (currently amended) The TCP processing system of claim ~~30~~ 32 further comprising a ~~wherein the second processing agent~~ that is selected a group comprising a Secure Sockets Layer (SSL) system, a Server Load Balancing (SLB) system, and an Extended Markup Language (XML) system.

34. (original) The TCP processing system of claim 30 wherein the protocol is selected from a group comprising a Secure Sockets Layer (SSL) protocol, a Server Load Balancing (SLB) protocol, and an Extended Markup Language (XML) protocol.

35. (currently amended) The TCP processing system of claim 30 wherein the first agent is ~~configured to control the~~ a TCP receive window for performing flow control of the processing system.

36. (new) The system of claim 1 in which the data comprises Transmission Control Protocol packets.

37. (new) A method comprising:
transmitting packets from a first agent to a second agent, including subjecting the packets to a sequence of processing by a series of processing agents that process protocols in connection with the packets;
keeping the first agent aware of a state of processing of the packets by providing one or more events from the processing agents to the first agent; and
controlling transmission of the packets from the first agent based at least in part on the events provided by the processing agents.